TABLE i. General Statistics for Mineral Operations: 1963 and Earlier Years

Total (numbe Kind of operation and year	Establishments: Total (number)	Establishments: With 20 employees or more (number)	All employees: Total (number)	All employees: Payroll ($1,000)	Production, development, and exploration workers	Production, development, and exploration workers: Man-hours (1,000)		Value added in mining ($1,000)
MINERAL INDUSTRIES ONLY: 1963 .... 1958. . . .. 1954	l 1 .59 l 1 436 1 651	ISO 187 191	17 625 20 790 21 651	104 187 108 307 91 076	22 194 23 907 17 508	24 717 25 764 33 242	73 356 67 573	!223 883 191 336 166 825
INCLUDING OPERATIONS IN MANU- FACTURES: ALL OPERATIONS: 1963. . ... 1958 .... 1954[1] .. 1939[2] .... 1919[4] 1909* 1902[5]	1 704 1 599 1 793 [3]1 407 2 239 1 952 [3]11 519	198 21 0 22 0 (NA) (NA) (NA) (NA)	19 250 26 268 27 742 27 343 53 607 53 199 39 487	11? [3]1[5] 114 990 98 839 33 852 66 376 29 546 25 617	15 756 17 359 19 510 24 943 49 470 50 571 [6]37 002	28 810 29 686 37 247 41 312 (NA) (NA) (NA)	34 179 79 924 74 881 28 749 58 320 26 771 23 118	**247** **090** 213 647 134 997 51 914 106 964 47 112 43 833
EXCLUDING OIL AND GAS EXTRACTION INDUSTRIES: 1954[1] 1939[2] 1929[7] 1919* 1909* 1902[5]	1 049 1 012 1 13M [3]1 122 801 951 750 [J]1 100	175 202 20 1 (NA) (NA '1 (NA) tNA) tNA)	16 672 30 342 31 539 24 537 23 253 47 123 46 843 34 080	99 833 95 420 83 195 30 025 34 542 57 928 25 408 21 409	13736 15064 17077 22948 27 001 I'M""" .? 45222 [6]32 286	32 831 33 537 33 223 37 825 (NA) (NA) (NA) (NA)	75 336 71 835 68 565 26 397 31 351 51 977 23 625 19 760	215 399 190 059 167 538 43 257 49 521 74 042 34 893 35 010

	Selected expenses: Supplies, purchases for resale, and purchased fuels and electric energy ($1,000)	Minerals received for preparation ($1,000)	Contract work ($1,000)	Purchased machinery installed ($1,000)	Value of shipments and receipts ($1,000)	Capital expenditures ($1,000)	Energy used (kwh. equivalent): Total (million)	Energy used (kwh. equivalent): Per production worker (1,000)	Horsepower rating of power equipment (1,000 hp)
MINERAL INDUSTRIES ONLY: **1963** .... 1958 .... 1954- .... ,	70 085 62 423 44 091	22 662 29 599 [9]10 735	16 943 12 844 11 249	31 066 19 213 19 722	318 810 286 321 223 046	45 829 2<3 094 24 576	4 202 2 907 2 677	2 9 6 1 3 3 1 5 3	1 558 (NA) 1 043
INCLUDING OPERATIONS IN MANU- FACTURES:	ALL OPERATIONS:	1963................. 1958................. 1954	i.......................... 1939............. 2..........................	1919............ * 1909............	* 1902 1'.				

[10]76 537
[10]67 452
10,48 003
10 843

20 517
B 273
9 923

22
662
29
599
[9]10
735
(NA)
12

[10]16 943
[10]12 844
[10]11 249
1 473

3 945
3
006
2 716

-31
109
19
228
19
844
(NA)

(NA)
(NA)
>
(NA)

348
402
313
654
250
045
64
230

134
519
63
767
56
472

[11]45
939
[11]29
116
[11]24
783
(NA)

(NA)
(NA)
(NA)

[11]M
202
11,
927
"2
790
2
715

"8
31
9
(NA)
(NA)

[11]29
6
1
6
9
1
4
3
1
0
9

16
8
(NA)
(NA)

1
558
(NA)
1
052
367

3
3
8
29
5
21
1

22
662
,14,
,14,
1929
19JL9
6
9

DING OIL AND
CTION
TRIES:
....
....

[10]68 374
[14]**88** **706**
[14]53 843
9 997

10 406
14 460
4 126
3 279

3064
7868
2800
6642
2275
0040
53)
804

[11]27
940
[11]16
095
[11]16
303
(NA)

2
2
0
2
(NA)
(NA)
(NA)

Note: See appendix A for an explanation of terms used. For more detailed historical statistics for this State, see table 1 of the corresponding chapter of the 1954 Census of Mineral Industries, Vol. II. For all years prior to 1939, excludes contract service operations.

Standard Notes: - Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. (X) Not applicable.

[1] Excludes data for sand and gravel mining operations in manufacturing establishments.

[2] Except in part, for value of shipments and value added, excludes data for dimension stone dressing plants operated in conjunction with quarries. The value added in dressing sandstone at such operations was $159 thousand; this value has been included in the value of shipments and value added in mining. The comparable value for limestone is not avail-

[3] Represents number of mines and quarries, number of natural gas liquids plants, and, for the crude petroleum and natural gas and mining services industries, number of operating companies.

[4] Excludes data for sand, gravel, common clay, and shale operations, and stone quarries operated as parts of cement and lime plants. In 1939, the value of products of common clay and shale operations was $1,368 thousand. In 1929, the value of products was $1 339 thousand. For "Excluding oil and gas extraction operations," includes data for nonproducing oil and gas extraction establishments; there were 5 such operations in 1919 and 7 in 1909.

[5] Excludes data for sand, gravel, common clay, and shale operations; and stone quarries at 7 cement plants. Includes data for lime plants producing lime valued at $1,082 thousand, and includes data for lime plants and nonproducing establishments in the Crude Petroleum and Natural Gas Industry.

[6] Figures for average employment were converted to a 300-day basis for establishments which operated for a shorter period.

[7] Excludes data for common clay and shale operations and one nonproducing operation. The value of products of such operations in 1939 was $1,368 thousand.

[8] For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products. For 1963, 1958, 1954, 1919, and 1909, represents gross value of shipments (or production for 1919 and 1909) and contains some duplication due to the transfer of crude minerals from one establishment to another for preparation. The approximate magnitude of this duplication is indicated by the figures shown for cost of minerals received for preparation. For other years, represents net production and excludes this duplication. For years prior to 1958, excludes the value of residue gas from natural gas liquids plants.

[9] Excludes the cost of natural gas processed at natural gas liquids plants, but includes the estimated value prior to processing of natural gas liquids contained in

[10] For crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments, the cost of contract work is included with the cost of supplies, purchases for resale, and purchased fuels and electric energy.

[11] Excludes data for crushed and broken stone, sand and gravel, clay, and gypsum mining operations in manufacturing establishments.

[12] Represents natural gas purchased as a material and for resale.

[13] Excludes purchased electric energy. For "All operations" in 1939, and also for "Excluding oil and gas extraction" in 1929, the quantity of purchased electric energy amounted to only 4 percent of the total kwh equivalent of energy used.

[14] Costs of minerals received for preparation are included with those for supplies, purchases for resale, and purchased fuels and electric energy. See also footnote 10.